[0119] While the inventions have been described with respect to specific examples including presently preferred modes of carrying out the inventions, those skilled in the art will appreciate that there are numerous variations and permutations of the above described systems and techniques. It is to be understood that other embodiments may be utilized and structural and functional modifications may be made without departing from the scope of the present inventions. Thus, the spirit and scope of the inventions should be construed broadly as set forth in the appended claims.

What is claimed is:

1. A wearable animal information apparatus comprising:

a collar configured to be worn around a portion of an animal, the collar comprising an inner surface that faces the portion of the animal during use and an outer surface that faces away from the portion of the animal during use;

a base coupled to the collar;

a housing configured to couple to the base via an attachment element, the housing comprising a plurality of indicators providing visual information relating to at least one of a condition of the animal or an environment surrounding the animal; and

an electronic device comprising a processor configured to receive or transmit information relating to the animal, the electronic device located within the housing;

wherein the base comprises a cavity for receiving the housing and coupling the base to the housing via the attachment element.

2. The apparatus of claim **1**, wherein the plurality of indicators provide a visual indication of at least one of a health condition of the animal, exercise history of the animal, or eating habits of the animal.

3. The apparatus of claim **1**, wherein the plurality of indicators provide a visual indication of power status information relating to the electronic device or communication status information of the electronic device.

4. The apparatus of claim **1**, wherein the plurality of indicators provide a visual indication of environmental conditions surrounding the electronic device.

5. The apparatus of claim **4**, wherein the environmental conditions surrounding the electronic device comprise at least one of the weather, precipitation, moisture, or humidity surrounding the electronic device.

6. The apparatus of claim **1**, wherein the attachment element comprises at least one of a magnet, clip, pin, buckle, clasp, snap, hinge, button, or adhesive to detachably couple the housing of the electronic device to the base located on the outer surface of the collar body.

7. The apparatus of claim **1**, wherein:

the attachment element comprises a pin to detachably couple the housing to the base located on the outer surface of the collar body; and

the housing of the electronic device comprises an aperture for inserting a finger to engage the pin with the base.

8. The apparatus of claim **1**, wherein the electronic device comprises a global positioning system (GPS) component, the information relating to the animal comprising location information of the animal derived from the GPS of the electronic device.

9. The apparatus of claim **1**, wherein the information relating to the animal comprises at least one of an identity of the animal, a home address of the animal, information relating to the owner of the animal, or medical information of the animal.

10. A wearable animal information apparatus comprising:

a collar configured to be worn around a portion of an animal, the collar comprising an inner surface that faces the portion of the animal during use and an outer surface that faces away from the portion of the animal during use;

a housing comprising:

a base portion coupled to the collar;

a cavity;

a top housing portion configured to engage with the base portion to enclose the cavity; and

an electronic device comprising a processor configured to receive or transmit information relating to the animal, the electronic device located within the cavity of the housing and retained by the top housing portion.

11. The apparatus of claim **10**, wherein the top housing portion is configured to slideably engage with the base portion of the collar to enclose the cavity housing the electronic device.

12. The apparatus of claim **11**, wherein the housing comprises a seal, the top housing portion of the electronic device slideably engaging with the seal to form a water tight seal enclosing the cavity housing the electronic device.

13. The apparatus of claim **12**, wherein the seal is positioned upon the base portion of the wearable collar.

14. The apparatus of claim **10**, wherein the base portion comprises a substantially flat first base portion coincident with the collar body and an extending second base portion that extends from the flat first base portion,

wherein the top housing portion of the electronic device slideably engages with the flat first base portion and the extending second base portion of the base portion to enclose the electronic device.

15. The apparatus of claim **10**, wherein the electronic device comprises a global positioning system (GPS) component, the information relating to the animal comprising location information of the animal derived from the GPS of the electronic device.

16. The apparatus of claim **10**, wherein the information relating to the animal comprises at least one of an identity of the animal, a home address of the animal, information relating to the owner of the animal, or medical information of the animal.

17. A wearable animal information system comprising:

a collar configured to be worn around a portion of an animal, the collar comprising an inner surface that faces the portion of the animal during use and an outer surface that faces away from the portion of the animal during use;

a housing comprising:

a base portion coupled to the collar, the base portion comprising a seal;

a cavity; and

a top housing portion configured to engage with the seal of the base portion to form a water tight seal enclosing the cavity for the electronic device; and

an electronic device comprising a processor configured to receive or transmit information relating to the animal, the electronic device located within the cavity of the housing and retained by the top housing portion.